

Still Alive With Sir Clive!

# ZXir QLibe Alive!

The Timex/Sinclair North American User Groups  
Newsletter

Volume 3 Number 4

Winter 1994

Chairman

Ronald S. Lambert

Anburn, Indiana

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Volume 4 starts with the (April) Spring 1995 Issue.  
Please send in your contributions before April 15.*



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Timely Early Issues



**MERRY CHRISTMAS**  
TO: All Our Members  
FROM: The Staff And Contributors  
**ZXir QLibe Alive!**

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Established 1991

The Timex/Sinclair North American User Groups Newsletter

Volume 4 Number 4

Winter 1994

# T/SNUG Information

## **T/SNUG**

Here is the list of T/SNUG Chairmen and how to contact them. We wish to support the following SPS: 250-0041 TS-1000, SPSC/MAIL, TS-0048 TC-8000 250 and QL. If you have any questions about any of these line machines, contact them.

### **Chairman**

Chief Minister

Donald H. Lambert (SPFLUG)

### **Vice-Chairman**

**Tape & PD PD Library**

JP Q Smith

R. 415 State St.

Edgewater, PA 15036

610 315-6998

### **250 Library**

Gene Sargent (250/240)

221 Walnut St. East

Lansing, PA 17043

717 774-7531

### **TC-801 PD Tape Library**

Ed Sore

2124 Charwell Downs Cir

Orlando, FL 32835

407 318-3124

### **RMG Enterprises**

Red Green (TCATUG)

14784 S. Quail Grove Cir

Oregon City, OR 97045

503-655-7454 FAX 503-655-4118

### **TS-2000**

Red Enterprises (TSUG)

20944 Colburn Pl

Seattle, WA 98148 726 Canada

694 383-2819

### **QL PD Library**

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708 213-6112

### **BBS — GATOR**

Bob Swager (CATUG)

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**Lawton PD Library**

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## **ZXir QLive Alive!**

In the newsletter of T/SNUG, the Times/Sinclair North American User Groups, providing news and software support to the T/S community is a volume of five newsletters per year, beginning with the Spring (April) issue.

T/SNUG's main goal is to keep our Magazine, our vendors and our repair service alive for the benefit of T/S users.

Three valuable sections shall have free advertising space in this user supported Newsletter that they can use that we are still active out here. We must support their services whenever possible.

Another T/SNUG goal is to increase sales of all known Public Domain and commercial software available for all Times/Sinclair machines, building a library and providing lists of that software showing both the source and the availability.

We encourage your group to copy this newsletter and distribute it at your regular meetings to all your members. If you cannot copy this newsletter, a disk can be provided with the articles for use in your newsletter.

If you find T/SNUG should improve other tasks, let us know your feelings. If you have solved a problem in one of your software or hardware, please share it with the rest of us.

You can keep T/SNUG alive by an annual contribution of \$12 for one volume made payable to Alfred Kahala. Send check to:-

### **ALFRED KAHALA**

335 W NEWPORT RD  
HOFFMAN ESTATES IL 60135-8168

Phone: 708 843-4357

Back Newsletter copies are available for \$24 each postpaid.

## **Article Contributions**

**Send in your articles by tape  
or disk and your inputs to -**

### **DON LAMBERT**

ZXir QLive Alive! Newsletter

1301 BOBLINGER PL

AUBURN IN 46706-3010

Phone 219 925-1372

Or to: — Alfred Kahala

## **GATOR'S TWISTED PAIR**

### **!! SINCLAIR !!**

We have a 24 hour BBS and encourage you to exchange mail and comments to the Upload Section. Use it and have fun!! (B#1 300-2400 B#4/D)

**Call 708 632-5558**

and Register using your first name, last name and phone number along with a password you won't forget, and Write It Down! Do not try to do anything else the first time because all the board options will be locked out.

When you call-in the next time, you will have Level 3 security and be able to enjoy full user privileges. The BBS has smaller sections called conferences. Select T for "It's a Conference" to see the different user groups. Select "TIMEX" to get into the Sinclair Section. The mail you then read will only be from other TIMEX Sinclair users but all SPSs share the same bulletin. Use commands A&T for articles, A&B for ads and S&W for news when uploading.

Download articles appearing in this newsletter having 254 extensions.

For help, contact the SYSCOP by leaving a message, mail, e-mail or phone. Bob Swager, SYSCOP —GATOR—

# Input/Output

by Alvin Kahala

## Copyright©

Dear Mr. Kahala,

Thank you for your recent letter and the copy of your publication. The reason for the call to Mr. Lambert was the report that an advert for IQLR appeared in your publication, WITHOUT our knowledge or consent.

If you look at the advert you will see the reason for our concern. For the past 4 months we have had an address change but, it seems no one checks to see if the information is valid.

As I stated in Mr. Lambert, IQLR is copyright protected, both in content and by the names "IQLR and International QI Report". We will take action if required, to stop the unauthorized use of content and/or name.

This problem could have been taken care of before it occurred if someone had contacted us. But, alas that didn't happen. We know your intentions were to serve the QI community, this is admirable, but who is served when incorrect information is published?

This is not the first time something has appeared in your publication concerning us or IQLR that was not correct. I can think of two other instances where I was misquoted, it is for this reason that I inform you, that we DO NOT wish or authorize the printing of an advert or any material printed in IQLR to be published in your publication.

Sincerely,

Robert Dyl, Jr.

Publisher of IQLR

PO BOX 3691 NEWPORT RI 02840-0690 USA

*We do not publish copyrighted materials without permission. However, thank God for the First Amendment, we can publish any news worthy item. We suggest that you post a copyright notice © to make it legal and enforceable such as: IQLR® 1994 and your name to appear somewhere on that page. This space you marked as an UPGATED Magazine*

Please consider: read all other publications. Always get the facts into the appropriate placement this means your file listed in the other box of this being so!

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Newport, RI 02840  
USA

*Did not contain any such notice and therefore were public domain. You should send a copy of IQLR to the US and overseas copyright offices and have it registered. As far as the IQLR name, what you need is to register a trademark such as QM® QM® etc. Which is altogether another subject!*

Good luck, have a easy and happy up the good will!

Alvin

## Quota:-

"Copyright is created by publication of the work with the notice required by the statute, and this notice must appear on each copy of the work published in the United States by authority of the copyright owner. Such publication without the notice places the work in the public domain. The form of notice, which is required for literary, musical and dramatic works and may be used on any other works, consists of the word "Copyright" or the copyright symbol © accompanied by the initials or other mark of the copyright owner, provided that the owner's name appears in some accessible place on the copies or on their permanent lease or mounting.

After copyright has been secured by publication of the work with the required notice, copies of the work are to be deposited in the US copyright office together with an application and fee for registration of the copyright claim. The copies deposited are made available to the Library of Congress. Registration of the copyright claim is a prerequisite to any action in the courts for the infringement of the copyright. The copyright office issues a certificate of registration which is prima-facie evidence in any court of the facts stated in the certificate. The copyright endures for 28 years from the date of first publication."

## Daisy Be Good

Thank you for putting out such a fine newsletter.

Here are 3 names promised to accompany our two articles for the next issue of IQLR. They are all genuine magicians (OOFF!) of the genre as described in the article. They use Wm. Blackwood's notation, that employs inter-upt mark 3 to call COPY n ROM.

The first article was Daisy11.ART it describes Daisy as received from Frank Cove. It was translated under ASCII protocol. The second is Daisy11.ART it tells our new and improved version in which everything works, even where all lines was having trouble. It was UPLOADED under Winmodem protocol.

The two UPLOADED defined because we wanted to see any difference in timing. Well, as you probably already

know, Xmodem went faster. But we were surprised to find the ASCII transferred line-by-line, as if read of the source.

Anyway, time on the first part of articles, and we welcome any comments, criticism, corrections, queries, questions or concerns on the areas of articles develop.

We are looking at C#Standard, J#Jikes and MonoClass for extensions to J200 and J400 S&SD. #0007 Anyone?

David E. Lassau

Thank you. Your efforts are appreciated by all those of us who experienced *Daisy 00 After*. I acquired the Suite from Bill Jones and after several phone calls to him I found out that he meant what he said, "It takes about two years to learn all the ins-and-outs of Daisy and *Ultim suite*".

*Daisy* is copyrighted property(s), we can only publish your review on our website(s). Unless you have contributed to more than a half to the program(s).

Using Xmodem protocol when UPLOADing text is fine provided that the recipient has and uses the same word processor that you have used. *Edin*.

## Z88 Library

The Z88 User's Club based in England has ceased to exist. A few years ago I contacted the Club Members and ordered the entire library up to file number 103.

Now the number of files totals 312. I can provide these files on disk or across 3 1/4" floppy disks only. The files are free. My only charge is for the disks and postage.

The files are not public domain but owned by the club. However I can distribute them to 7760333 members only on the understanding that they are for their personal use and not to be uploaded onto any Bulletin Board or other file server.

The files are numbered only. You need a list to tell you what they are. You can get the information out of individual areas of the Club Magazine. The former software libraries sells a list for \$1.50 plus postage, which is approximately \$2.00.

IAN DRAZY  
1 BUTTS COTTAGES COFFSE RD  
ST. JOHN, WORKING GU21 1BU  
UNITED KINGDOM

In purchase will fund the on-going support of the Library and its contents.

Also available are some public-domain files. These are the same files that come with the "Z88 Source Book" published by LPTC&TE's magazine. I can be contacted at the address in the newsletter (page 2). Or by phone on evenings and some weekends. I belong to the QLive service. You can address e-mail to [z88@netnet.com](mailto:z88@netnet.com). Or to [tdrazzy@igateway.com](mailto:tdrazzy@igateway.com) through the forum.

David Bennett

Please remove my ad that I highlighted from our Newsletter. It was effective and I have gotten all I needed. Thanks for running the ad.

Wayne Kassat  
St. Peters, MD

I enjoy reading the Newsletter, I have been using the INTERNET and I stumbled onto Thore/Reuter information. If you or your readers have access to the INTERNET you may find some of the information very interesting.

Alex Sweetser  
Fayette City, PA

## The CLONE

As far as the CLONE goes, SINCOS is no longer distributing it, but it is copyrighted. As the author, I no longer have any plans for it, so I suggest I can grant permission for you to distribute the program... how about if you keep me on your subscription list as long as you distribute CLONE? Does that sound fair?

Wes Rencowski  
Endicott, NY

8 more down Waco

Edin

## Still Alive With Uncle Giva

I think that I may have accidentally started a rumor that I believe I said that I thought it was possible to handle the 640K transfer rate on a 2080. I still believe so. I had a spectrum RS-132 interface which would handle data transfer at that speed. The software was burned onto an EPROM and used by making calls to a short MC routine. It has been sometime since I have seen it but will see what I can do when I find it and the instructions. The other situation I had was that produced by Dave Clifford and later sold by Ed Giva. Used with the Spectrum, the UK software they sold, it may have also been able to handle that speed. Now I recall that on the 2080 there was a problem with the buffer filling up too quickly and there was some other problem as I recall. Perhaps 1400 was the top speed. I will try to check this out again when I have some time. I had on the Clifford interface several years ago and never got it back so I only have the software for the terminal.

These days I use the PC for most things although I fire up the Spectrum simulator on occasion. Our user group, the Cleveland Group, has become a semi-quiet user group mostly interested in generic computer topics, although we have a few exclusively Sinclair Users, most have a Sinclair besides a PC. We never had the large QL user base that some clubs had so the QL never became a priority for the general membership. I faded out of the QL because of persistent hardware problems. Now most of these things have been solved but too late for me as I moved to the PC about 89.

We are having our annual Christmas party and sale, the first Friday of December, we will meet any Sinclair club members who wish to come to Cleveland. Usually there are very good deals for happen, which may not be so happy but there is a lot of Sinclair and PC stuff for sale. It is not too bad of a time, and if you can come. Regards

Thomas Simon, Photographer



For the record, entrance is checking for IQWi! On the card I also like to know more about UPDATES and IQJLK newsletter. I'd appreciate your sending me a copy of each, for which I'll send you a check by return mail.

Again, many many thanks!

Gertie Anderson  
Redlands, CA

## Please Pass The Window

Wall Street Journal, October 14

The column was launched with the contention that personal computers are too hard to use, and that the blame lies not with the people trying to use them but with the *experts/gurus* who design the machines and the software that runs on them. Each October since, I've tried to take a look at the state of personal computing to assess whether, in general, things are getting easier to use.

Over the past 12 months, steady progress has been made on the margin, but it's slow going. The fundamental complexity and limitations of the IBM-compatible PC design still haunt us, well into its second decade of existence. Things are moving in the right direction but at a snail's pace. Computers are shipping with more more features built in, diminishing the need for users to poke around outside to add things. But *experts* who try to add more, especially to install one of those *legendary* multi-media upgrade kits, quickly find themselves in trouble. The more is true of software. Progress here has more built-in help and editorial assistance to slide on, but they are still too helpfully convincing to use. Many of the new multimedia programs are nearly impossible even to install correctly.

Just the other day in the Washington Post, a columnist named Terry Krimmer wrote that he went out and bought a home computer but can't use it. "I sit there staring at a blank screen," he wrote, "waiting for it to do something magical on its own like it is the Circle of Delphi. The only thing I can do on that screen is Windows it." He is no doubt exaggerating, but *columnists* do that! But even *expert* columnists are baffled by personal computers. I once got a e-mail from a contact at NASA, who works on giant supercomputers all day with systems but goes home at night and finds to his great frustration that he can't get the fairly IBM-compatible PC to run multimedia software correctly.

For now, we'll struggle along with PCs and software too dumb to be easy. "Please pass the Window."

November 14

This is the tale of how I granted my own advice, bought a costly new computer packed with mainstream, cutting-edge technology and lived to regret it at least for a while. I tell my story to reinforce the point I've made before in this column. Unless you're an *advanced* technology freak, or like bring a guinea pig, you should stay away from the early generations of a new chip or other major computer component because it always takes a while for the industry to work out glitches and incompatibilities in these things.

I also tell this little saga to prove that, even if they let you write a technology column as a big newspaper, they must save you from doing some stupid things with technology. I wanted something, but not cool, and I couldn't wait.

My personal multimedia, a Dell XPS P90 costing more than \$4000, gave software hot headaches for the first couple of months I owned it that past summer. There were failures in the machine's communications, video, audio, CD-ROM and tape backup systems. Dell clearly scored up in shipping the popular machine without editing out those troublesome items. I settled on XPS P90, which also meant I was buying into a new kind of faster hard-disk drive, a relatively recent video system and a new multimedia case Dell hadn't used before. This was a recipe for trouble, and it was coming out of my pocket, not the wallet of the newspaper.

I called the machine over the phone via normal channels. The first problem cropped up when I tried to play a music CD in the CD-ROM drive and no sound came out. I called Dell toll-free support number and was asked if I'd tried opening up the machine. I said no, and we discovered that they'd failed to plug in one end of a wire at the factory I played it in.

Next I discovered that, after making a single call through the machine, the machine's communication system locked up and wouldn't make any more calls. This was a few comments on the another board Dell posted software on CompuServe to supposedly solve the problem, and I downloaded it. Eventually, I demanded and received a new mother board.

Then, it turned out that the tape backup drive didn't work properly. Again, Dell put up software fix on CompuServe and I used it and it worked.

But the problems kept on mounting. The machine's video system (just) was flawed. It is incompatible with a popular software Dell was helpless to fix it, but promptly sent me a slightly slower version that fixed the problem. I installed it myself.

Finally, the CD-ROM drive broke. It refused to play a handful of CDs I tried to run on it. I waited on a new one, and Dell sent someone to replace it.

So it all worked out, but it took me many weeks, many phone calls and some repair work to get it right even though, because of my job, Dell was especially anxious to help find my computer.

What if I hadn't been a technology writer, hadn't known about CompuServe and hadn't been willing to fiddle with the machine's insides? I'm sure Dell would have still been helpful. But I doubt it would have been quite as responsive or that the problems would have been so pushed quite as smoothly.

Meanwhile, you all owe me one. I did that I, as a *home* technology person, have done a public service for the rest of you, warning the bugs out of the new technology as you don't have to. If you're feeling really grateful for this and can stop laughing, please send money.

Walter Winchery



# FROM THE CHAIRMAN'S DISK II

Donald Lambert

**ALICE:** Winter type weather is here, I have just lost the file, got up to check something and the state instantly — without touching anything — did wiped out the startup of the computer. That is a different computer and maybe more sensitive than the one I used last winter. Guess I will have to SAVE the file and off the computer before leaving the chair.

Received a package of UK magazines from George Chamberlain QJ-4 kg. - 1985 and have looked at some so far. The material is for the ZX-81, the SPECTRUM and the QL, although one magazine - YOUR COMPUTER - is devoted to all small computers. An interesting ad is for a PHELOPHY drive - a tape drive for a BBC computer that uses a cartridge of 10 feet of 1/4 inch tape that is loosely held into the cartridge and has a P track head that doesn't move.

My eye operation is a success and I can SEE much better although I still need to get the other eye brought up with a new prescription. Commonly the operated eye is seeing a blank line and the other eye has failed. Sort of a one eye not dead, but not responsible to see place from headlights during night driving.

The domain of two new groups is hard (TT&C and G&ATC) but there is still action going on. Keith Watson finished the TS-2448 compiler for the IBM PC. Come for us he can go. If anyone wants to go further they are welcome to do that. I think that it is available through Frank Davis.

**KEEL COMPUTERS, 121 W PLATT ST. MAQUOKETA, IA, 52601,** has a limited stock of SPECTRUMs. I met him at a couple of local Hamiltons and I ordered some 176k SPECTRUMs. He is fast and has prices for the real SPECTRUMs are very reasonable. Write him with a LEASE for a price, state how many you want and for a price including shipping for the lot. He has some other SPECTRUMs.

I have some things that I heard of I am trying to get. Some are outstanding but the many YES things I hope to mention those they could be vapor wave. I would much rather have it in my hands and my look what I got than try to explain that I was right was.

Two people got help with their TS-2000s with the LaFont interface. One had a set of bad batteries (new) that would not retain memory with the RAMDISK, and the other had a drive go bad after running OK for the first time after he received a used LaFont system. The latter was sent all but the disk drive. I tested it out to find it all good. I send him a pair of MSD drives since the drive he had was single sided. The system worked with my drives but not with the original MSD drive. Weird. Our problems were not get help. Might take time but it gets you going.

Since this is a busy up close-to bring you a directly Christmas (about progress) I have not had time to spend too much and besides for once I will let someone else fill the space - or maybe a program. 80

## 100-4 Update From UPDATE!

Frank Davis, UPDATE! Magazine

**Q** & World magazine has sent out its last issue. It has been around since 1983 in one form or another, and under several owners. This does not mean the end of QL computing. It is at its highest rate of technological expansion in its history. The folks publishing it simply did not have the know-how to run a computer magazine. The other publications they handled were of a sports nature, and they never did obtain a high enough number of subscribers to keep about a glossy monthly magazine. They have been trying to get someone to take over the publishing, but due to their waste in this matter, no luck yet. In the meanwhile we have other magazines that are more than capable of carrying on. One is IQL, a QL specific magazine that has grown in the last few years to a level of competence that QL World never did achieve. They have over 2000 subscribers now and are continuing to grow, most of these people are from overseas, which is odd for a USA based publication. I would love to see more North American support for this fine publication. Most of you will find it very involved with this time in an attempt to get your support. We also have a much improved and informative quarterly put out by TILMAN, Bob Swiger, Don Lambert, Alasdair MacIsaac and

others have seen to the increasing quality of the newsletter. Right now they need new members and readers for UPDATE so that they can be a continuing operation. Please give them your support. We are in the process of obtaining more overseas readers for UPDATE!, as well as increasing our readership base in North America. We are the largest magazine left in the world (to my knowledge) that covers all of the Sinclair and Cambridge computers. I hope to become even better known in the next few months. Other than

### We are the largest Sinclair magazine left in the world

supporting bookshops, new groups, clubs and computer shows, your publications are your best way to see that new ideas and progress are made for the computer you use. We have way out-there the TI 8000A, Amn 400000, etc. I want to see no content. This is not pessimism, this is what we should do.

Very little (maybe nothing) new has come out this last year that I am aware of for the TS-1000. Am I wrong? If so let me know. I do have rumors once in awhile that someone has done something new, engaged in a project, or doing a

new hardware back on those little machines, but no one wants to try anything for them. Are these just rumors, or is someone keeping a list of secrets?

For the TS-2068, what do we have next? You have some new software through us for use of 24 pin printers and graphics. We have also brought to you the chance to have updated versions of TADWORLD 2. Next month we hope to make you aware of updated forms of all of WIDUP's software for the TS-2068. These were written by the late Bill

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**let us in on what you are doing  
with the TS-2068**

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Fuchsler. He gave the rights to all of his TS-2068 and TS-2069 software to us to handle, and there is a lot of it. At first points we will be making it more open available. I need to have more of you let us in on what you are doing with the TS-2068. It is not dead, just in need of someone.

For the Z88, last last year saw a new and improved ROM for it that fixed some serious bugs and lockups. It is available from the LSL. We also saw internal RAM upgrades of 128K and 512K for it, replacing the standard 32K. There was also the release of the Z88 Source Book, now in its second edition. This was previously the work of Tim Swenson, with the last typesetting by Cradley and

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**now need improved ROM for it that  
fixed some serious bugs and lockups**

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publishing by UFDATA Magazine. At the time of the writing Mechanical Affinity has the chance to buy into about 1/20th of these real life computers. Are any of you interested? Let Frank or Paul of Mechanical Affinity know if you are, so they know if it will be worth pursuing.

We have some MSX support. Files can still be found on CompuServe, and the Club is still there as well as the weekly conference. QDOS has made a great showing and justly deserves your support (for their ad this time). WINDUZ has a MSX set of the Chicago area, check their newsletter or Bob Seeger for this. The XTENVART has a respectable number of English word wordbooks. They a

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**Buy a modern, get some  
software and check these out**

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modern, get some software and check these out. For the QL we have public domain programs such as QTP4 and Q8-M,

which we will supply on disk for you for the tiny fee of \$3 if you can not get it locally. Jan Barkins has a new program, copyrighted but offered freely under very conditions, that provides off-line file reading for the QL with a DOS.

For one not to have known that the QL is booming would be hard for me to believe. It has a new IDE structure coming out of Croatia. This will allow you to access up to 128 meg. of data off of an IDE hard drive, it will be available from Ron Darnell and Mechanical Affinity for less than \$200, perhaps closer to \$150. We have the new Super Gold Card with 4 meg. of memory, three times the speed of the Gold Card, a disk drive adaptor and a new parallel port with cable. We have Page Designer 3, which makes for easy desktop publishing (not yet perfect, but working on it) on the QL. SmartFlowed continues to improve, as well as its competition, the Perfection word processor. Edson Special Edition is going better all the time. LucDesign and DataDesign are constantly improved and headed for more improvements. Minute is now hard at work on the Graphica Card for the QL, and we hope to see them in time for Christmas. The QDL card for use on an IBM compatible is now in good form with bugs worked out and its SuperBeam clone (small better) now released. It is now a fully usable board. Want to make any business on your QL? Then get Dasher from Mechanical Affinity or DAC. I could very easily go on for pages. See the review on QJELK, from Wood and Wind Computing for the best (linear) program I have seen for the QL. This is a low machine, spend a few bucks and find out if it is once again becoming state-of-the-art.

A small note for those of you who use the Plotter ad for **The Best Of The Plotter ...** there will be a companion disk that contains the TS-2068 programs listed in the book, as either Luckin or Olgan format. It is available for \$9.95 pp. If you have little time to type in a program, this is for you. A lot of work by the group has gone into this book and it should be well worth the price. We have Rod Cowen and his group to thank for this. Give them your support, not just because it is a real thing to do, but because it will be worth the money. So here is some more software for your TS-2068. Give Kinko a call for more stuff, I must to see them say in business.

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## A Surprise Box of Tricks

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by Hugh Howie

### Z88 Review Have Sam Fun — Buy a Z88

A long time ago, I just went like yesterday when I first started getting into computing, there was a new concept coming along, it was called a laptop. Now I always thought a laptop was that long-legged blonde from down the street, which just goes to show how sure I was at that time.

Anyway, this laptop was called the Z88. The size of a sheet of paper, so thin, thick, and weighed in at just under two pounds. This Z88 was marketed for the "man on the move". Small enough to fit in a brief case, light, so it was easy to take around. But far up to twenty hours on four AA batteries. Did most of the things that much larger computers did. And it could talk to other computers at the end of the day or journey.

Did I buy one of those marvels? Nope! I was too busy learning how to use my QL.



One evening recently I received a phone call from a friend, and in the process of conversation he mentioned the Z88, and asked me if I knew of anyone who had one for sale. A name came to my mind, and I said so, and was asked to check it out, and was given a price range within which to negotiate. He got on the phone again (did you ever notice how much time a QL man spends on the Phone?) and the person was willing to sell. He had the Z88, a 128K RAM card, and a printer cable to go with it, and I was able to purchase the lot for \$288 Can., which is about \$130 US. A good deal I thought.

As it was late in the evening by this time, I did not call my friend, but next day I drove a couple dozen miles and paid for and picked up the Z88, still in its original case, complete with manual.

On my arrival home, I phoned "my friend" and was told he had changed his mind and did not want it. (The Z88 I mean not his mind — although I did not think his mind was of much import at that time anyway). So here I was, stuck with a Z88 I did not really want.

After a few days looking at this machine sitting on the shelf, I decided I might as well get some business and see what my unwanted piece of equipment would or could do, and did I ever get a surprise.

This little machine has quite a few things "built-in", such as the main program called "Pipe-Draw", and it really is a draw. It is a Word Processor, a Spreadsheet, and a Database. There is a built in VTG terminal, Diary, Calendar, Film, Printer Editor, Clock, Alarm, Guidance — what have I missed out?

Now the Pipe-Draw can set up a document in two or three columns, just like the two columns I am using at the moment. With the QL I had to wait for text? to come along before I could do that, or else use a program called In\_columns, but with Qdell.

The same Pipe-Draw, is also the base for the Spreadsheet and Database and Diary. You can take your spreadsheet document and incorporate it with your letters, not only that, but I made up a cable and was able to transfer the document to my QL, and save it in the QL disk.

While you are working on one document, the phone might ring, so after a pre-determined time the little machine switches off, and when you come back you just start it up again, and it starts up exactly where it left off.

It is possible to have a number of documents going at the same time and a couple 1 or 3-key pages, switches from one to the other.

You want the pages numbered as they are printed? You want a special header, or footer? Left margin? You want to know how many pages you have written? Put go to the Options window and you get your answer. You

just remember what page you are presently working on! The same window will tell you.

The biggest problem I have, is trying to remember all the "short-cut key" process to do what can be done in the menu the long way around, but even you are familiar with them!

Now often we would like to see what our finished document looks like, and this is shown at the right of the working screen, just so you see what is happening as you work. How very useful, as you can see how much space there is left for the completion of the page. There is an INVOKE key from where you may select the APPENDIX, you wish to use, such as Diary, Pipe-Draw, Base, Calculator etc., and a MENU key which shows you the list of the various facilities within that particular application. The menu also tells you what the shortcut combination is, thus by using the Menu, you also learn the shortcut within the menu. Of course you don't have to use the shortcuts, shortcuts may be made in the usual manner by use of the arrow keys.

The Batteries - I use two sets of rechargeable, each set is of a different make and colour so that there is no mix-up when it comes to changing them. The weeks later for me as I had plenty of them anyway, but it is also possible to get a power supply to do the job, but I have been too busy to get around to it as yet. I have been too busy playing with my Toy!

When changing the batteries you have a few minutes to do the work without being any of your data which may be in the suspended list or the RAM card. I have not lost anything yet, and I hope I never do as I have a lot of stuff going on here. It is so very nice to have a document in process, my car expenses, my bank account, and my diary going all at the same time - just requiring a couple key-presses to change quality from one to the other.

If you want to have some fun in your computing, and also have a useful tool for working with, and one that can go anywhere with you, then you should consider the Z88. IT IS NOT A TOY - IT IS A GARNED GOOD WORKING TOOL FOR THE PERSON ON THE MOVE.

I have talked too much and I need some exercise, so I am going for a walk with my Z88 at home!

## The Z88 and Its Power of Recovery

Well, I was asked to write something for this newsletter and then being so, be not be surprised if I write for I write. And if you don't like what I write, you can go elsewhere for Your pills. No suggestions being offered.

When I first started using the Z88, I had no idea as to the world as to what I was getting into - sometimes I still wonder if I know what I am into getting



No matter, a short time after I started using my Z88, I happened to try leaning it off a hard-wood floor, a good service thing to do in the expense of doing so is so great, and, being a dedicated Sordiana, I have an aversion to spending money on little black boxes, you could not prove this by looking at my Computer Team. Anyway, I found that the Z88 DOES NOT BOUNCE, it just falls with a loud noise shouting THUNDERITY, an' jus' sits that, locked up at me with a pained expression. Which, by the way, is no more pained than the expression with which I gain dominions (Is there such a thing as a GENTLE knock? (laughing)) I found out!

However, I appear to have dented off the tape I started with, so I will now get back to that tape if you are still with me.

I left you at the point where I was preparing to pick up my Z88 from the hard-wooden floor when it fell. It was all in one paine thank goodness, but when I started trying to use it, I found that there was little stress representation. If I tapped the bottom of the case, there were a number of lines shooting back and forth across the screen. Sometimes a howl and/or a whistle could be heard emanating from the little do-hickey that is provided for that purpose. Sometimes they (the notes) changed in pitch and intensity. As much as, that those who were welcome at that time were blessing my hearing aid for the howls, but I knew that that was not possible as I had just that moment checked it out for myself. Many soft notes and I put the machine around three present.

Suddenly - one of my friends started a shout of glee, and said the damned thing was now OK.

So I got home, and my little box of amusement is still OK, for two days at least that is, when the same thing occurred. Tap on the bottom - lines on screen. This appeared to indicate to me that the power was getting there sometimes somehow. Out with the screw driver. (This should be part of the Simular package) to discover that the positive plate of the compartment which holds the batteries, was broken. I guess the weight of the batteries moving in the shakiness (B&G had moved the damage - A little epoxy, followed by a soft rest, and all was as usual.

Three passes, until I was in the car one day, just contemplating the attributes of my Z88 while waiting for some work to be done on the car, when my Z88 again took

off. As soon as I got a couple of headed bolts in my wallet, the car automatically leaves it in there and drives to go on order for three what I have, (at the very least.)

Anyway, I was sitting in the car with all the stuff being spilled on the screen. Flashes of lines. Lines (rows) of letters, some (lines) of symbols. Then my Z88 really took sick indeed. I never knew there was so much at such a small space.

A tap here and there, a few - quite a few - soft notes, and all is well. For another couple of days anyway, but then there was a change, with more again many symptoms of unwanted undesirable material. I wanted to help my poor machine so much! I tried many taps and screens in various parts of its anatomy, but all was to no avail, the only sensible sensation I got from my slob Z88 was the FAIL, sending it me from the top right hand corner of the screen. I did not have to be told my friend had failed, that was only too obvious, but it was reassuring to know that my friend was not quite dead - yet, that my friend was still able to speak to me. At this stage I was all prepared to send my little friend to my favorite suggest in Calicut, I am sure many of you have made use of the services at one time or other. Many many more did not do my good.

Then being so, I had a lot of stuff stored away in various parts of the memory that I would not like others to see, so I decided to try and erase all that stuff, prior to wrapping it up for the Postal Authorities. So I opened up the little door at the front where the RAM card is installed, removed the 128K RAM cartridge, and then when I tried the machine there was no screen display. None what-so-ever! Plug the cartridge back in, no better, read the manual, AAAAA a soft rest - and all is well!!

On top of that - I lost out a bit of my secret data. It was all there. And my trusty Z88 is all recovered. There does not seem to be any sign of temperature in other Z88 or Yours truly, so I guess the recovery is just about complete. Much to the happiness of all concerned.

We all hope there will not be another change. There being only one question left unanswered -

What happen?

The RAM cartridge got dislodged from the full and by re-inserting it, you fixed the problem

---

## JLO With LKDOS Cartridge

by Bob Sawyer

Using the LKDOS cartridge with your Cigra disk option will give you extra commands and let you be compatible with all other T2000s running LKDOS.

Insert the LKDOS cartridge into the cartridge port and turn on the T2000. Since T2000s will not monitor when the LKDOS and SAFE boards are used together. If the T2000 seems to lock up on power-up, you will need to modify either the LKDOS or the SAFE board as described below.

The reason for the problem is that both boards are trying to initialize at once. Both boards have a reset circuit

that makes them become active at power up.

If you have a power up problem when the LKDOS is installed, you can add a double switch to the LKDOS cartridge.

To add a double switch, connect a small wire to the unused hole in the PC board near pin 1 on the T4LS74. This hole is between the notched end of the T4LS74 and the 470 ohm resistor next to it. Carefully scrape the green solder mask off the pad and solder the wire to it. You can add a jumper wire to ground that wire to double the LKDOS. The ground trace runs around the edge of the solder side of the cartridge.

If you turn on the ZX8000 with the switch disabled, you will have to introduce to the cartridge with the command `RANDONUM USR 96` after power up.

By the way, you don't need to use `RAND USR 100 OPEN #4, "M"` when entering `LKDCS`, just just `RAND USR 100` is kind of all commands.

An obvious method of fixing the initialization problem is to disable the power-on reset circuitry on the SAFE board. This way is really better because the LKDCS cartridge has special software to initialize the SAFE board after it has initialized itself on power up.

The easiest way to do this is to remove the `MSLT74` on the SAFE board from its socket and bend pin 1 out. Put the IC back into its socket and wire pin 1 to +5V. Pin 14 on the same IC has +5V on it so you can just connect those two together with some fine wire. If you don't want to solder it, just use a few bits of wire on multiple.

Now, if you turn on the ZX8000 while pressing 'Y', the LKDCS will initialize the SAFE board after it has initialized itself. If you load an `AUTOSTART` program with `LKDCS` through, it will not initialize SAFE. Use the `RESTORE` command in SAFE to initialize SAFE.

When using the completed battery, only have the DCS that you want enabled to respond to the NMJ as the LKDCS can also perform NMJ scans.

If you are using the LKDCS with the SAFE board enabled, you shouldn't use LKDCS commands that use `PRINT #4` such as `WINDOW`, `PICTURE`, `DISK`, `SEQUENCEDISK` or other commands provided by `PRINT #4` (just `RAND USR 100` to provide commands). This is because the reason for those commands share the same memory patch area as the I/O NMJ vector and they will cause the I/O NMJ to conflict. When using these LKDCS commands, disable the SAFE board.

---

## Sinclair Rides Internet

by John Parnham, MCT

Since joining `INTERNET`, I come across several sources for Sinclair news and help. There are as the forums controlled via `INTERNET` machines also tend to `INTERNET`. For the most part the material relates the Spectrum and is dominated by British users. Apparently, there are few or no Sinclair clubs left in England, all the more seem to be solitary hobbyists.

The reason for Sinclair dominance is `COMP.DIG.SINCLAR`. This is as the database for computer platforms, along with `Amiga`, `Atari`, `Sun`, and the others. It functions like an ordinary `DISK` room, except that you enter from your `INTERNET` link. Please note that your `INTERNET` access may offer only access of the database and you may have to request a file from `COMP.DIG.SINCLAR`.

The sites are computer systems that allow the caller to enter directly and fetch material from them. These are accessed via `FTP` `COMP.DIG` or `WWW`. There are features which must already be offered by your `INTERNET` access if you have only a low level link they may be unavailable. Several of these are:

```
HTTP:FTP:WWS UNIT:HOST:USERSINCLAR:MOOS
HTTP:WWW:WWS UNIT:MOOSINCLAR:SPECTRUM
HTTP:WWW:CS UNIT:EQUSUSERS:SMS
```

```
FTP:FTP:WWS UNIT:MOOSUSERSPECTRUM
FTP:WWW:ARCHIVE:WWSUS:EQUSYSTEMS:SINCLAR
FTP:WWW:CARLAND:EQUSUSERS:MOOSINCLAR
FTP:FTP:SUMAG:ZAP:USERS:EQUSUS
FTP:FTP:US:EQUSUS
COMP:EQUSUS:EQUSUS:WWS UNIT:MO
```

The addresses extend to the lowest directory in the system. From there you must do a catalog listing to see what actual files are located. These are updated or changed constantly.

Software at these sites is usually distributed. The original publishers long ago went out of business, leaving free products for the Sinclair community.

One problem of this area and help on `INTERNET` is that for the most part it is out of reach from a regular Spectrum enthusiast. Except for online message posting and downloading the material text files the spectrum is simply too modest a computer for heavy `INTERNET` work. So how do Sinclair hang out on `INTERNET`?

Well, by now there are few active Sinclair magazines left. Most have been discarded as direct of `EMM`. Correspondents use the `EMM` for the telephone via `INTERNET`. Then they run Spectrum emulators on the PCs to use the stuff they downloaded.

---

## Christmas Return Labels

by Tony Davis & Bob Rogers

Merry Christmas to all it may seem like I'm jumping the gun a little by wishing you a Merry Christmas now. However, if you are like me, it will probably take you until January to get the program returned into old ZX8000.

Around Christmas time, our postage bill gets very large. With all of those Christmas cards, we send a lot of mail during the months of November and December. The rest of all that mail is one thing, but having to hand write return addresses on all of that mail is too much. Sure, we could go out and get some ready-made return labels, or

even a rubber stamp, but those do not solve the Christmas spirit. What we need is a Christmas return address label maker. That is what this program does.


This Program will make any number of return address labels on 15x4 inch program sensitive labels. The labels must be one-up, meaning only one across the page, and cannot be any larger than 1-1/2 inches. The text of the label is variable and entered when the program is run. In addition to the text of the label, the program also adds a small, graphically printed, picture to the label. Currently,

the program has four such pictures in its library, but the program may be easily modified to add additional pictures.

The picture is printed using a graphic area of 32 X 40 dots. The picture is placed into the program using a READ DATA statement put in line 150 to 160. To add additional pictures, one must change line 40 so that MP = equals the number of pictures to look for. One may then add additional DATA statements to the end of the program which contains the encoded new pictures.

At the top and bottom of the label is a graphic scroll which frames the label. This scroll is of a variable length and its length is calculated from the length of the text to be printed. The text itself is centered when the program is run. The text has a maximum of four lines, but blank lines may be entered if required. The first line is printed in the emphasized mode which calls attention to the line. The remaining three lines are printed unemphasized, which allows printing the most amount of information on the line. The program was written for a Legend 180, but should also run on EPSON printers with Graph Text 4, Legend 880, Gemini 100, or probably any FX-80 or FX-90 Epson compatible printer.

In addition to other address labels, we have also used the program to print out Christmas gift tags. We enter the first lines as follows:

VERY MERRY CHRISTMAS  
TO:  
  
FROM:

This way, we now have blank, stock-on labels that may be filled out later and attached to Christmas packages.

```

10 REM *** Your TASM800 4.0PI printer driver code
11 REM *** (lines 1 through 7 will PRINT the
12 REM *** the data)
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1000 REM ***

```

I have written a second program that seems to handle when designing and programming the pictures. This program prints out a continuous stream of graph paper that is 40 squares wide. Using this paper, one may design the pictures into decimal characters.

With these two programs, you may create any number of unique labels for any occasion. Happy Label Making!

I was very impressed one year when Stan Lenka printed one of my labels from one of his clients thinking that it was the result of one of his programs! It gave Greg and I a GOOD FEELING!

The program below is to be used with the Larkes LJ Disk Drive interface and the modified TASM800 4.0PI printer interface mentioned in the January 1983 issue of UPDATES Magazine. It is not necessary to do any Pokes and POKEs into the Larkes LEMOS RAM area as the program contains the printer driver code in the line 0 BASIC statement.

If you do not obtain the program from UPDATES Magazine, you must load the code yourself into the program by making a line 0 BASIC statement with 410 spaces type in the rest of the program and save it by typing CDDO 9999. Next, load your TASM800 4.0PI printer driver code. Finally, execute the following program in the immediate mode.

```

FOR I=127115 TO (127115+4511):POKE
I,PEEK(I+128001):NEXT I

```

If the program BASIC OK, BASIC is again by typing CDDO 9999

```

200 PRINT "Now enter 0 to the left and up"
210 PRINT "Now enter 0 to the right - 0 right"
220 PRINT "Now enter 0 to the left and up"
230 PRINT "Now enter 0 to the right - 0 right"
240 PRINT "Now enter 0 to the left and up"
250 PRINT "Now enter 0 to the right - 0 right"
260 PRINT "Now enter 0 to the left and up"
270 PRINT "Now enter 0 to the right - 0 right"
280 PRINT "Now enter 0 to the left and up"
290 PRINT "Now enter 0 to the right - 0 right"
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410 PRINT "Now enter 0 to the right - 0 right"
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920 PRINT "Now enter 0 to the left and up"
930 PRINT "Now enter 0 to the right - 0 right"
940 PRINT "Now enter 0 to the left and up"
950 PRINT "Now enter 0 to the right - 0 right"
960 PRINT "Now enter 0 to the left and up"
970 PRINT "Now enter 0 to the right - 0 right"
980 PRINT "Now enter 0 to the left and up"
990 PRINT "Now enter 0 to the right - 0 right"
1000 PRINT "Now enter 0 to the left and up"

```

```

000 IF (15/2) GOTO(10) THEN LET A=0.001
(15/2) GOTO(10)
100 NEXT I
010 LET B=0.001
020 IF B=0 THEN LET B=0.001 GOTO(10) GOTO(10)
030 LET A=0.001
040 LET B=0.001
050 LET C=0.001
060 LET D=0.001
070 LET E=0.001
080 LET F=0.001
090 LET G=0.001
100 LET H=0.001
110 LET I=0.001
120 LET J=0.001
130 LET K=0.001
140 LET L=0.001
150 LET M=0.001
160 LET N=0.001
170 LET O=0.001
180 LET P=0.001
190 LET Q=0.001
200 LET R=0.001
210 LET S=0.001
220 LET T=0.001
230 LET U=0.001
240 LET V=0.001
250 LET W=0.001
260 LET X=0.001
270 LET Y=0.001
280 LET Z=0.001
290 LET AA=0.001
300 LET AB=0.001
310 LET AC=0.001
320 LET AD=0.001
330 LET AE=0.001
340 LET AF=0.001
350 LET AG=0.001
360 LET AH=0.001
370 LET AI=0.001
380 LET AJ=0.001
390 LET AK=0.001
400 LET AL=0.001
410 LET AM=0.001
420 LET AN=0.001
430 LET AO=0.001
440 LET AP=0.001
450 LET AQ=0.001
460 LET AR=0.001
470 LET AS=0.001
480 LET AT=0.001
490 LET AU=0.001
500 LET AV=0.001
510 LET AW=0.001
520 LET AX=0.001
530 LET AY=0.001
540 LET AZ=0.001
550 LET BA=0.001
560 LET BB=0.001
570 LET BC=0.001
580 LET BD=0.001
590 LET BE=0.001
600 LET BF=0.001
610 LET BG=0.001
620 LET BH=0.001
630 LET BI=0.001
640 LET BJ=0.001
650 LET BK=0.001
660 LET BL=0.001
670 LET BM=0.001
680 LET BN=0.001
690 LET BO=0.001
700 LET BP=0.001
710 LET BQ=0.001
720 LET BR=0.001
730 LET BS=0.001
740 LET BT=0.001
750 LET BU=0.001
760 LET BV=0.001
770 LET BW=0.001
780 LET BX=0.001
790 LET BY=0.001
800 LET BZ=0.001
810 LET CA=0.001
820 LET CB=0.001
830 LET CC=0.001
840 LET CD=0.001
850 LET CE=0.001
860 LET CF=0.001
870 LET CG=0.001
880 LET CH=0.001
890 LET CI=0.001
900 LET CJ=0.001
910 LET CK=0.001
920 LET CL=0.001
930 LET CM=0.001
940 LET CN=0.001
950 LET CO=0.001
960 LET CP=0.001
970 LET CQ=0.001
980 LET CR=0.001
990 LET CS=0.001
1000 LET CT=0.001
1010 LET CU=0.001
1020 LET CV=0.001
1030 LET CW=0.001
1040 LET CX=0.001
1050 LET CY=0.001
1060 LET CZ=0.001
1070 LET DA=0.001
1080 LET DB=0.001
1090 LET DC=0.001
1100 LET DD=0.001
1110 LET DE=0.001
1120 LET DF=0.001
1130 LET DG=0.001
1140 LET DH=0.001
1150 LET DI=0.001
1160 LET DJ=0.001
1170 LET DK=0.001
1180 LET DL=0.001
1190 LET DM=0.001
1200 LET DN=0.001
1210 LET DO=0.001
1220 LET DP=0.001
1230 LET DQ=0.001
1240 LET DR=0.001
1250 LET DS=0.001
1260 LET DT=0.001
1270 LET DU=0.001
1280 LET DV=0.001
1290 LET DW=0.001
1300 LET DX=0.001
1310 LET DY=0.001
1320 LET DZ=0.001
1330 LET EA=0.001
1340 LET EB=0.001
1350 LET EC=0.001
1360 LET ED=0.001
1370 LET EE=0.001
1380 LET EF=0.001
1390 LET EG=0.001
1400 LET EH=0.001
1410 LET EI=0.001
1420 LET EJ=0.001
1430 LET EK=0.001
1440 LET EL=0.001
1450 LET EM=0.001
1460 LET EN=0.001
1470 LET EO=0.001
1480 LET EP=0.001
1490 LET EQ=0.001
1500 LET ER=0.001
1510 LET ES=0.001
1520 LET ET=0.001
1530 LET EU=0.001
1540 LET EV=0.001
1550 LET EW=0.001
1560 LET EX=0.001
1570 LET EY=0.001
1580 LET EZ=0.001
1590 LET FA=0.001
1600 LET FB=0.001
1610 LET FC=0.001
1620 LET FD=0.001
1630 LET FE=0.001
1640 LET FF=0.001
1650 LET FG=0.001
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1670 LET FI=0.001
1680 LET FJ=0.001
1690 LET FK=0.001
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1710 LET FM=0.001
1720 LET FN=0.001
1730 LET FO=0.001
1740 LET FP=0.001
1750 LET FQ=0.001
1760 LET FR=0.001
1770 LET FS=0.001
1780 LET FT=0.001
1790 LET FU=0.001
1800 LET FV=0.001
1810 LET FW=0.001
1820 LET FX=0.001
1830 LET FY=0.001
1840 LET FZ=0.001
1850 LET GA=0.001
1860 LET GB=0.001
1870 LET GC=0.001
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1890 LET GE=0.001
1900 LET GF=0.001
1910 LET GG=0.001
1920 LET GH=0.001
1930 LET GI=0.001
1940 LET GJ=0.001
1950 LET GK=0.001
1960 LET GL=0.001
1970 LET GM=0.001
1980 LET GN=0.001
1990 LET GO=0.001
2000 LET GP=0.001
2010 LET GQ=0.001
2020 LET GR=0.001
2030 LET GS=0.001
2040 LET GT=0.001
2050 LET GU=0.001
2060 LET GV=0.001
2070 LET GW=0.001
2080 LET GX=0.001
2090 LET GY=0.001
2100 LET GZ=0.001
2110 LET HA=0.001
2120 LET HB=0.001
2130 LET HC=0.001
2140 LET HD=0.001
2150 LET HE=0.001
2160 LET HF=0.001
2170 LET HG=0.001
2180 LET HH=0.001
2190 LET HI=0.001
2200 LET HJ=0.001
2210 LET HK=0.001
2220 LET HL=0.001
2230 LET HM=0.001
2240 LET HN=0.001
2250 LET HO=0.001
2260 LET HP=0.001
2270 LET HQ=0.001
2280 LET HR=0.001
2290 LET HS=0.001
2300 LET HT=0.001
2310 LET HU=0.001
2320 LET HV=0.001
2330 LET HW=0.001
2340 LET HX=0.001
2350 LET HY=0.001
2360 LET HZ=0.001
2370 LET IA=0.001
2380 LET IB=0.001
2390 LET IC=0.001
2400 LET ID=0.001
2410 LET IE=0.001
2420 LET IF=0.001
2430 LET IG=0.001
2440 LET IH=0.001
2450 LET II=0.001
2460 LET IJ=0.001
2470 LET IK=0.001
2480 LET IL=0.001
2490 LET IM=0.001
2500 LET IN=0.001
2510 LET IO=0.001
2520 LET IP=0.001
2530 LET IQ=0.001
2540 LET IR=0.001
2550 LET IS=0.001
2560 LET IT=0.001
2570 LET IU=0.001
2580 LET IV=0.001
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2600 LET IX=0.001
2610 LET IY=0.001
2620 LET IZ=0.001
2630 LET JA=0.001
2640 LET JB=0.001
2650 LET JC=0.001
2660 LET JD=0.001
2670 LET JE=0.001
2680 LET JF=0.001
2690 LET JG=0.001
2700 LET JH=0.001
2710 LET JI=0.001
2720 LET JJ=0.001
2730 LET JK=0.001
2740 LET JL=0.001
2750 LET JM=0.001
2760 LET JN=0.001
2770 LET JO=0.001
2780 LET JP=0.001
2790 LET JQ=0.001
2800 LET JR=0.001
2810 LET JS=0.001
2820 LET JT=0.001
2830 LET JU=0.001
2840 LET JV=0.001
2850 LET JW=0.001
2860 LET JX=0.001
2870 LET JY=0.001
2880 LET JZ=0.001
2890 LET KA=0.001
2900 LET KB=0.001
2910 LET KC=0.001
2920 LET KD=0.001
2930 LET KE=0.001
2940 LET KF=0.001
2950 LET KG=0.001
2960 LET KH=0.001
2970 LET KI=0.001
2980 LET KJ=0.001
2990 LET KK=0.001
3000 LET KL=0.001
3010 LET KM=0.001
3020 LET KN=0.001
3030 LET KO=0.001
3040 LET KP=0.001
3050 LET KQ=0.001
3060 LET KR=0.001
3070 LET KS=0.001
3080 LET KT=0.001
3090 LET KU=0.001
3100 LET KV=0.001
3110 LET KW=0.001
3120 LET KX=0.001
3130 LET KY=0.001
3140 LET KZ=0.001
3150 LET LA=0.001
31
```

[illegible]

**SEASONS GREETINGS**  
Bob & Annette Swager  
415 Parkside Circle  
Stromwood, IL 60107



**HAPPY CHRISTMAS**  
TO All Our Members  
FROM The Staff And Contributors  
of *OUR JOURNAL*

# Daisy Be Good 1

by David Luzzo

We are introducing two series of articles, dealing with 800 "user" uses of Word Processing programs. It is implemented in 100% BASIC, except for only one (very important) Machine Coded routine. The articles will develop, as possible, when possible, one dealing with the original, unaltered version of Daisy, as received from Frank Davis, dying in 1992, the other treating our customized version, also in Frank's possession.

Daisy gave the amazingly cheap power of a 1984-45 at our disposal, making the TIMEX again conveniently useful, reliable, and flexible. Indeed, since Daisy is really a Word Processor, we may go on to include similar treatments of Bill's interesting Ultra assembly of Data Base Manager.

The unaltered copy of Daisy here has been unaltered. Therefore, we will explain the operation of "the most original copy" in our files.

No such problem for the second series. Those articles discuss our customized version of Daisy, maintained to use our 3-pin printer (Shimadzu M-1185) and Lanier 1505 (version - L3).

Now, we can continue to describe the operation of the original Daisy Word Processor, using our 2804 and LK100 (L3). It comes already set up for Bill's 24-pin printer (Panascan 820-1014) and for two disk drives (possibly the same), Program Disk and Data Disk.

"Program Disk" refers to the number (here 0 to 4) of the disk drive, from which Daisy is LOADED, for the Daisy disk contains the many menus, used to convey customized information, on-line as needed.

So, any necessary information is limited to DCS conversion (if other than LK100) "system 80" to analog different printer (other than 14-pin Panascan) and "pin C1", which is the menu, for using "system 80".

There is a problem of which comes first, the chicken or the egg. For, much of the power of Daisy comes from its ability to take advantage of most (or all) of your space-compatible printer. But, you can't modify "system 80" and "pin C1", till the operations and coding of Daisy are well understood, about six months. Refer to Frank's (including in Bill's documentation, which accompanied your purchase, also Simon Text, LK100, published in 1985, UPDATED, under points carded and style changes.

Thus, ENTER your printer description, such as "Daisy Wheel", till you are so familiar with pointer matching, scrolling, and styling, as to be able to write your own "system 80" and "pin C1".

OK, LOAD Daisy from the program disk, the prompts, for describing your printer, precede the display of our main menu, Daisy's Function Menu.

Option #1 results in a choice between entering #1, Daisy Data Base Manager, or #2, Universal DB Manager.

Since this article concerns Daisy, we select #1 and get the Quicker Menu.

Next time, we will explain the quicker menu, but before we do first three screens, already mentioned.

SELECT

000 Daisy DB Manager/

001 Universal DB Manager



## Daisy Be Good Update Part I

[illegible]

This series of articles deals with full lower case of word processing programs, as customized for our computer system of TR-8086, LK201 (LX) and 8-pin printer by Brother 84-1100. Frank Davis has a copy of 400 "low and measured" version of Deane.

We learned, early on, that the small RAM of the IBM created one bottleneck of an obstacle to the implementation of all of the essential features of contemporary Word Processing. It's solution is called "text-memory programming" which can be very disk-intensive, and the original version of Daisy is really strangled by this disk intensity. Software attempts occasionally impacted the flow of work at the keyboard, as much as it is to maintain the word processing in these days of "cheap" computer resources.

One modification of the original Diary program endeavor is to expose upon Riff's other slush sheet of LIEDS, in order to gain "more memory." But, let it be said HERE AND NOW, that while some of Riff's role is thoroughly slow, it all works, reliably, and exhibits extreme insouciance.

Now, we can continue to describe the operations of our new and improved Daisy word processor, using our **TEXTED**, **LETTERS** (1-3) and 5-page **master** **Booklet** **MS-100**. First of all, there is only one shift called for by **DATA DESK**. As before, the program shifts in the data (from 0 to 4) from which Daisy is **LOGGED**, but the program deletes this information from **memory** 190 of the **LETTERS** subpage. Thus, we cut as (possibly) half the number of software interrupts, speeding work flow on our word processor at the keyboard. As before, **DATA DESK** points to the number (from 0 to 4) of shift drives, from whose input data is sought.

In order to remove the last requirement for LEIDS, simply change the entry point from `WELL` to `2070`, and replace any `RANDOMISE` with `100` `OTO` got with `GENIUS`. This removes the requests for `PROGRAM` `DISK`, which can be answered by your `DOB`, given suitable conversion of spectra from `LEIDS` to `FLD` `DOB`, for example.

Our version of Dasy has four different names: *blatind*, *PC-blind*, *SP-Blind*, and *Blind*, according to which application of word processing the limited label of our TE-1000 be called upon to access.

IBM's original version changed itself by five different values for "TURN", according to the application. The change used DELETE and WRITE of that file, an apparently SLOW process.

Upon Loading HardAD, or PO-MEM, or prompt  
lead to one menu entry, the FUNCTION MENU. Upon  
Loading SW-602, or SW-603, the FUNCTION MENU  
comes up as usual.

Option #1 on the function menu loads the QUICKLOAD menu on IntelliCAD and 3D-SD. Option #1 is disabled on both 3D-MAX and JScan.

Before the gets too confusing, let us say that we look **SPEEDUP** and **SHUTTING DOWN** theory, while breaking theory out into the four main applications of word processing, pointing out with Manual Addressing. **TURBO 1**, pointing out with Mail Merge addressing. **TURBO 2**, by pointing. **TURBO 1** and -drama, a gateway to data base resources. **TURBO 1**

Want more, go [www.fox.com](http://www.fox.com) and join the Cowboy Network.



# Z88 Batteries Feedback

by Matt Sharrock

Having a Z88 now, I found your article about using the "Rechargeable LAY-O-WAC" rechargeable battery very useful. I think this provides a GOOD solution for low cost operation. I'd like to share with others my Z88 battery experiences.

I often take long airplane journeys requiring a computer totally dependent upon its batteries. I believe the benefits of a modern notebook with really great software against my lighter Z88. The Z88 is better suited for the long journeys because its batteries last longer and can be charged on the fly. For a long journey, these advantages are enough: the Z88's limited graphics software, limited storage, and the assurance of cold the travels.

For a long journey, the Z88 battery life was terrible. I got 4 - 5 hours from the one set before getting the low battery message. I have read that battery life can be easily extended by ignoring the low battery message and waiting until the screen starts to blink. Being conservative, I never tried this.

Actual usage time in real-time in the batteries can be changed on the fly. A capacitor in the Z88 retains all memories for several minutes without the batteries. The feature allows, when the low battery message appears, battery replacement and continued operation. By carrying enough spare batteries, battery life is a long trip is not an issue.

I have experimented with several techniques to reduce battery cost. Needs were tried, but are not satisfactory. With 4 AA Needs (5 volts) the low battery message is always on. I also tried 3 smaller (3 volts)

Needs. I quickly abandoned Needs because of their short storage life and no low battery warning. Needs are really, no way to lose the Z88 stored data.

My best solution is using a 4 D-cells (6 volts) external battery pack, slightly larger than the size of the Z88's AC adapter. D-cells cost about the same as the required AA batteries and provide a quantum increase in battery life. I purchased from Radio Shack a 4 D-cell battery holder and a plug to fit the Z88's power jack, eliminating the necessary cable. The AA's in the Z88 never go back up.

I have used this set up on long trips and have never exhausted the D-cells. I strongly recommend this external pack. I like to plan on using the rechargeable external batteries for shorter trips to check possibility at minimum cost. My approach for longer trips when a recharge is not as soon as to still use the external battery pack.

## Chairman's thoughts on this.

Many thanks for the letter and the information on the RENEWAL batteries.

On the practical side, the number of times that you can recharge the RENEWAL batteries is in proportion to the amount of discharge the less the discharge the more times it can be recharged. The specs stated I got from the company suggested that the 25 times of cycling could be extended to 100 if the discharge was not too great. I called their 800 number and I could not get a technician that could give me that in an answer that I could return to voltage. But I got the impression that it was along the lines of 80% of the full charge voltage. 4 volts to turn on the low battery signal means that only the batteries are discharged to about 80% of their full charge voltage so the low battery light is a good time to charge batteries. 80

## MECHANICAL AFFINITY

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513 E MAIN ST  
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PAUL HOLMGREN  
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NT 281-4000 evenings & weekends

Trump Cards, disk interface for two 300K or 720K disk drives, 256K of memory and TCG reconditioned for \$100.

Gold Cards, 3-drive disk interface 3 meg. memory, TCG and 10 MHz speed, A2 bus for \$250.

Super Gold Cards, built in 4-drive adaptor disk interface, 1024K processor 4 Meg. of memory, run at 20 MHz, speed, built in tape provided printer port (with printer cable) and the bus a TCG. The price is \$480. Contact us about our Trump or Gold Card trade-in program.

Starline GL Printers. Work with GL logs, 8-pin printers that are made to run with the GL interface. Price is \$62

CRUSHCELL, the new graphic oriented desktop program for the GL, it gives you program options on the screen, which you can easily control, change or launch. It is a pointer enhancement driver and makes full use of level 2 drivers. Our Price is \$62.

Page Designer 3, the GL version to use full featured desktop publishing program. Comes with loads of fonts and cliparts in a 4 disk set. You can even use HDP fonts from Digital Precision Professional Publisher as well as other cliparts from other GL programs. Our price is \$60.

TextPlus, an excellent word processor that allows you to use drivers for all the latest printers, gives you many fonts as well as columns and precise control of paper size and print size. Our price is \$120.

LevelDesigns version 2, at top of the line superb vector drawing program package that allows you to mix many fonts and graphics (3.5 disk set) with your artwork. The price is \$150.

GL --- EDC Hard Drive interface for only \$115.

DataDesigns 2, a fast pointer driven database that is easy to setup and use for the GL. The price is \$65.

Clipboard 3.26, combines virtually all Super Basic, and it is easy to use with GL and CR2. The price is \$75.

Contact us for all your GL needs, we will do our best.